

WEST

Freeform Search

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term:

L21 with microparticle

Display: Documents in Display Format: Starting with Number Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

Clear

Help

Logout

Interrupt

Main Menu

Show S Numbers

Edit S Numbers

Preferences

Cases

Search History

DATE: Tuesday, March 25, 2003 [Printable Copy](#) [Create Case](#)

Set Name **Query**
side by side

Hit Count **Set Name**
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

<u>L22</u>	L21 with microparticle	53	<u>L22</u>
<u>L21</u>	L20 with (polymeric or polymer)	15719	<u>L21</u>
<u>L20</u>	l8 with l9	269386	<u>L20</u>
<u>L19</u>	l17 and l10	4	<u>L19</u>
<u>L18</u>	L17 same l10	0	<u>L18</u>
<u>L17</u>	metal enhancer	14	<u>L17</u>
<u>L16</u>	L15 with l14	2	<u>L16</u>
<u>L15</u>	pharmaceutical or nucleic or dna or plasmid	392539	<u>L15</u>
<u>L14</u>	L13 with l12	241	<u>L14</u>
<u>L13</u>	agent or enhancer	1568541	<u>L13</u>
<u>L12</u>	L11 with l8	3492	<u>L12</u>
<u>L11</u>	L10 with l9	31444	<u>L11</u>
<u>L10</u>	microparticle or microsphere or matrix	501377	<u>L10</u>
<u>L9</u>	suspension or solution	2048823	<u>L9</u>
<u>L8</u>	nickel or metal or copper or titanium	3245878	<u>L8</u>
<u>L7</u>	l5 and l4	1	<u>L7</u>
<u>L6</u>	L5 same l4	0	<u>L6</u>
<u>L5</u>	fusogenic	1248	<u>L5</u>
<u>L4</u>	L3 with l2 with l1	142	<u>L4</u>
<u>L3</u>	liposome or lipid or amphiphile	88902	<u>L3</u>
<u>L2</u>	encapsula\$	153801	<u>L2</u>
<u>L1</u>	nanoparticle	4637	<u>L1</u>

END OF SEARCH HISTORY

WEST

Generate Collection

L22: Entry 13 of 53

File: USPT

Dec 31, 2002

DOCUMENT-IDENTIFIER: US 6500448 B1

TITLE: Composition for sustained release of human growth hormone

Brief Summary Text (22):

The suitability of a metal cation for stabilizing hGH can be determined by one of ordinary skill in the art by performing a variety of stability indicating techniques such as polyacrylamide gel electrophoresis, isoelectric focusing, reverse phase chromatography, HPLC and potency tests on hGH lyophilized particles containing metal cations to determine the potency of the hGH after lyophilization and for the duration of release from microparticles. In stabilized hGH, the tendency of hGH to aggregate within a microparticle during hydration in vivo and/or to lose biological activity or potency due to hydration or due to the process of forming a sustained release composition, or due to the chemical characteristics of a sustained release composition, is reduced by complexing at least one type of metal cation with hGH prior to contacting the hGH with a polymer solution.

WEST

Generate Collection

Print

L22: Entry 42 of 53

File: DWPI

Oct 24, 2000

DERWENT-ACC-NO: 2001-255810

DERWENT-WEEK: 200126

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Preparation of catalytic microparticles involves forming microparticle electroactive polymer with reduced oxidation state and contacting with acidic solution of transition metal compound

Basic Abstract Text (1):

NOVELTY - A microparticle electroactive polymer with reduced oxidation state is contacted with acidic solution of transition metal compound for specific time, to incorporate the transition metal of higher oxidation state to the polymer. The catalytic microparticles obtained contains transition metal with oxidation state greater than 0.

Standard Title Terms (1):

PREPARATION CATALYST MICROPARTICLES FORMING MICROPARTICLES POLYMER REDUCE OXIDATION STATE CONTACT ACIDIC SOLUTION TRANSITION METAL COMPOUND

WEST

Generate Collection

Print

L22: Entry 42 of 53

File: DWPI

Oct 24, 2000

DERWENT-ACC-NO: 2001-255810

DERWENT-WEEK: 200126

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Preparation of catalytic microparticles involves forming microparticle electroactive polymer with reduced oxidation state and contacting with acidic solution of transition metal compound

INVENTOR: GEE, N K; LEE, T K ; TANG, K E ; WU, H S

PATENT-ASSIGNEE:

ASSIGNEE

CODE

UNIV SINGAPORE NAT

UYSIN

PRIORITY-DATA: 1998SG-0000700 (April 6, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SG 75833 A1	October 24, 2000		017	B01J031/26

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
SG 75833A1	April 6, 1998	1998SG-0000700	

INT-CL (IPC): B01 J 31/26; B01 J 37/02

ABSTRACTED-PUB-NO: SG 75833A

BASIC-ABSTRACT:

NOVELTY - A microparticle electroactive polymer with reduced oxidation state is contacted with acidic solution of transition metal compound for specific time, to incorporate the transition metal of higher oxidation state to the polymer. The catalytic microparticles obtained contains transition metal with oxidation state greater than 0.

USE - For catalyzing chemical reactions.

ADVANTAGE - The electro reduced metal ions are confined to the surface of the pre-existing polymer film. The catalytic microparticles containing electroactive polymer and transition metals with oxidation state greater than 0 is manufactured effectively.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: PREPARATION CATALYST MICROPARTICLES FORMING MICROPARTICLES POLYMER REDUCE OXIDATION STATE CONTACT ACIDIC SOLUTION TRANSITION METAL COMPOUND

DERWENT-CLASS: A12 A26 A97 J04

CPI-CODES: A10-E22; A12-W11K; J04-E04;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2001-076917

(FILE 'HOME' ENTERED AT 15:38:45 ON 25 MAR 2003)

FILE 'MEDLINE, CANCERLIT, BIOSIS, EMBASE, CAPLUS, BIOTECHDS' ENTERED AT
15:51:35 ON 25 MAR 2003

L1 26077 S MICROPARTICLE OR NANOPARTICLE
L2 810719 S LIPID OR LIPOSOME
L3 89014 S ENCAPSULA?
L4 117 S L3 AND L2 AND L1
L5 87 DUP REM L4 (30 DUPLICATES REMOVED)
L6 244 S FUSOGENIC LIPOSOM?
L7 1 S L6 AND NAN?
L8 1095894 S SUSPENSION OR SOLUTION
L9 2206 S L8 AND L1
L10 4609152 S COMPOUND OR ACTIVE AGENT OR DNA OR NUCLEIC OR PLASMID
L11 3075290 S METAL OR STEEL OR NICKEL OR COPPER
L12 248 S L11 AND L8 AND L1
L13 237 DUP REM L12 (11 DUPLICATES REMOVED)
L14 415934 S PROTECT##
L15 1592964 S ENHANCE#
L16 3813027 S INCREASES OR INCREASED
L17 9 S L14 AND L13
L18 9 DUP REM L17 (0 DUPLICATES REMOVED)
L19 20 S L15 AND L12
L20 17 DUP REM L19 (3 DUPLICATES REMOVED)
L21 21 S L16 AND L13
L22 335780 S PHARMACEUTICAL
L23 60335 S BIOLOGICALLY ACTIVE
L24 7 S L22 AND L13
L25 1 S L23 AND L13

L21 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2003 ACS

AN 2002:32247 CAPLUS

DN 136:264809

TI Protecting polymers in **suspension** of metal nanoparticles

AU Hirai, Hidefumi; Yakurat, Noboru

CS Department of Industrial Chemistry, Faculty of Engineering, Science University of Tokyo, Tokyo, 162-8601, Japan

SO Polymers for Advanced Technologies (2001), 12(11-12), 724-733

CODEN: PADTE5; ISSN: 1042-7147

PB John Wiley & Sons Ltd.

DT Journal

LA English

AB Poly(N-vinyl-2-pyrrolidone) (PVP) was chosen as a protecting polymer for its large protective value among homopolymers. Suspensions of Pd nanoparticles were prepd. by refluxing solns. of Pd(II) chloride and PVP in methanol. The mean diam. of Pd nanoparticles without adsorbed layer of PVP was controlled in the range 1.1-2.5 nm. The concn. of free PVP in the methanol **suspension** was detd. by using aminoethylated polyacrylamide gel beads which adsorbed selectively the PVP-protected Pd nanoparticles. The amt. of PVP adsorbed on Pd nanoparticles **increased** linearly with the 0.45 power of wt.-averaged mol. wt. (Mw) of PVP. The thickness of adsorbed layer of PVP was estd. from the sedimentation coeff. of the PVP-protected Pd nanoparticles. The adsorbed layer thickness **increased** linearly with the 0.55 power of Mw of PVP. The radius of gyration of free PVP in methanol **increased** linearly also with the 0.55 power of Mw of PVP. The catalytic activity of the **suspension** of Pd nanoparticles was detd. in hydrogenation of 1,3-cyclooctadiene. The activity depended more effectively on the sp. surface area of Pd nanoparticles than the adsorbed layer thickness. On the basis of these results, the conformation of protecting PVP mol. on the surface of Pd nanoparticles was proposed.

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT